

Message Text

UNCLASSIFIED

PAGE 01 TOKYO 12013 090809Z
ACTION OES-07

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UNCLAS TOKYO 12013

FOR OES/APT/BMP

DEPT WASS USGS: NOAA; NBS

E.O. 11652: /A
TAGS: TECH,JA
SUBJECT:UNDERWATER SEISMOMETER NETWORK

1. METEROLOGICAL AGENCY (JMA) HAS ANNOUNCED PLANS TO INSTAL
UNDERWATER SEISMOMETERS ON BOTTOM OF PACIFIC OFF CENTRAL JAPAN
TO MONITOR EARTH'S CRUST IN EARTHQUAKE-PRONE AREA.

2. THE EARTHQUAKE AND VOLCANO RESEARCH DEPARTMENT OF JMA'S
METEOROLOGICAL RESEARCHINSTITUTE, HEADED BY AKIRA SUWA, HASCOMPLETED
DEVELOPMENT WORK ON 12-YEAR PROJECT AND HAS BEGUN
TO HAVE COMPONENTS FABRICATED FOR COMPLETION OF WORLD'S FIRST
UNDERWATER SEISMOMETERS NETWORK SCHEDULED FOR JULY 1978.

3. ENCAPSULATED SEISMOMETES WILL BE PLACED ABOUT 200 KM OFF
SHORE AND 3,000 M DEEP IN ENSHUNADA, AREA DESIGNATED BY
SEISMOLOGISTS AS POSSIBLE EPICENTER OF MAJOR EARTHQUAKE ON
TOKAI COAST OF JAPAN. AS PART OF REAL-TIME, ON-LINE SYSTEM
THE SEISMOMETES WILL BE LINKED BY CABLE TO JMA'S OBSERVATORY
AT OMAEZAKI IN SHIZUOKA PREFECTURE, FROM WHICH 24-HOUR
READINGS WILL BE TRANSMITTED TO JMA HEADQUARTERS IN
TOKYO. THE END SEISMOMETER, TO BE LOCATED IN DEEPEST
AREA AND CAPABLE OF MAGNIFYING VIBRATIONS 5,000 TIMES,
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AND AN INTERMEDIATE SEISMOMETER, WHICH WILL MAGNIFY
MOVEMENTS 1,000 - 3,000 TIMES, HAVE ALREADY BEEN ASSEMBLED.
FINAL TESTS ARE SCHEDULED TO BE CARRIED OUT NEXT MARCH
AFTER COMPLETION OF THREE MORE INTERMEDIATE SEISMOMETERS.
FINALLYIN JULY NEXT YEAR, NTT WILL LAY UNDERWATER CABLE
TO HOOK UP THE SYSTEM.

4. SYSTEM IS SHOWPIECE OF THIRD EARTHQUAKE PREDICTION PLAN RUNNING FROM FY 1974 TO 1978. IF SYSTEM PROVES SUCCESSFUL, PLANS FOR SIMILAR DEVICES TO BE LAID OFF POTENTIAL EARTHQUAKE AREAS OF BOSO IN CHIBA, SANRIKU IN IWATE, AND SHIKOKOU WILL BE INCORPORATED IN THE FOURTH EARTHQUAKE PREDICTION PLAN TO BE IN FY 1979.

5. SUWA IS MEMBER OF UJNR WIND AND SEISMIC EFFECTS PANEL AND REPORTED ON PROJECT AT JOINT PANEL MEETING HELD IN TOKYO LAST MAY.
MANSFIELD

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NNN

Message Attributes

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